

# SERVICE MANUAL

**PH-32/PH-52/PH-32L/PH-52L**

ST326/ST326L/ST526/ST526L/PM326/SD326

**marantz®**

**model PH-32/PH-52/PH-32L/PH-52L**

## MARANTZ DESIGN AND SERVICE

Using superior design and selected high grade components, MARANTZ Company has created the ultimate in stereo sound. Only original MARANTZ parts can insure that your MARANTZ product will continue to perform to the specifications for which it is famous.

Parts for your MARANTZ stereo are generally available within 72 hours throughout the nation via a toll-free line to our National Parts Depot in California. The sales professionals who take your call immediately refer to their own desk top computer terminal and can quickly determine the availability and price information you require. If, for some reason, your order should exceed our available stock, we usually can instantly provide an alternate replacement part or current delivery information. When the order is placed and confirmed, the computer simultaneously generates "hard copy" orders at the distribution center. As hard copies come directly from the computer to the national parts depot, your requested stock is assembled and prepared for shipment and placed on the first available carrier for delivery to you.

### ORDERING PARTS

Phone orders will eliminate mail delays, and we encourage the use of this method. If you order by mail, use MARANTZ parts order forms which are available from our National Parts Depot located at the following address:

SUPERSCOPE NATIONAL PARTS DEPARTMENT  
20525 Nordhoff Street  
Chatsworth, California 91311  
Phone: 1-800-423-5108  
1-213-998-9333

The following information must be supplied to eliminate delays in processing your order:

1. Complete address.
2. Complete part numbers.
3. Complete description of parts.
4. Model number for which part is required (indicate MARANTZ).
5. Account number (for account customers only).

Direct consumers will be provided with the current retail price quotation on available parts in order to advise them of the cost of the parts and shipping.

### OVERSEAS PARTS ORDERING

Parts may also be ordered from the following overseas addresses:

U.S.A.	CANADA	AUSTRALIA	JAPAN
MARANTZ COMPANY, INC. National Service Dept. P.O. Box 577 Chatsworth, CA 91311 U.S.A.	SUPERSCOPE CANADA, LTD. 3710 Nashua Drive Mississauga Ontario, Canada L4V1M5	MARANTZ AUSTRALIA 32 Cross Street Brookvale, NSW 2100 Australia	MARANTZ JAPAN, INC. 3622 Kamitsuruma Sagamihara-shi Kanagawa, Japan
<b>EUROPE</b>			
MARANTZ S.A. 326 Avenue Louise Bte 32 1050 Brussels Belgium	MARANTZ AUDIO U.K. LTD. Unit 15/16 Saxon Way Industrial Estate Motor Lane Harmondsworth UB7 0LW Great Britain	MARANTZ BELGIUM 45 Rue Auguste Van Zande 1080 Brussels Belgium	MARANTZ SVENSKA A.B. Svartviksvangen 56 Traneberg Box 12016 161 12 BROMMA SWEDEN
MARANTZ GERMANY GMBH Max-Planckstrasse 22 6072 Dreieich 1 West Germany	MARANTZ FRANCE 4 Rue Bernard Palissy 92600 Asnieres France	MARANTZ AUSTRALIA PTY., LTD. 32 Cross Street Brookvale, N.S.W. 2100 Australia	MARANTZ GMBH AUSTRIA Wiedner Hauptstrasse 98 1050 WIEN AUSTRIA
MARANTZ NORSKE A.S. Refstadalleen 13 Oslo 5 Norway	MARANTZ DENMARK Bregnerødvej 132b 3460 BIRKERØD DENMARK		

All of the above locations are fully equipped to take care of your total service needs. Because various countries have differing configuration requirements, it is necessary that you contact the service facility in your particular country. In the event that there is no service location listed for your country, please contact the nearest facility for the necessary assistance.

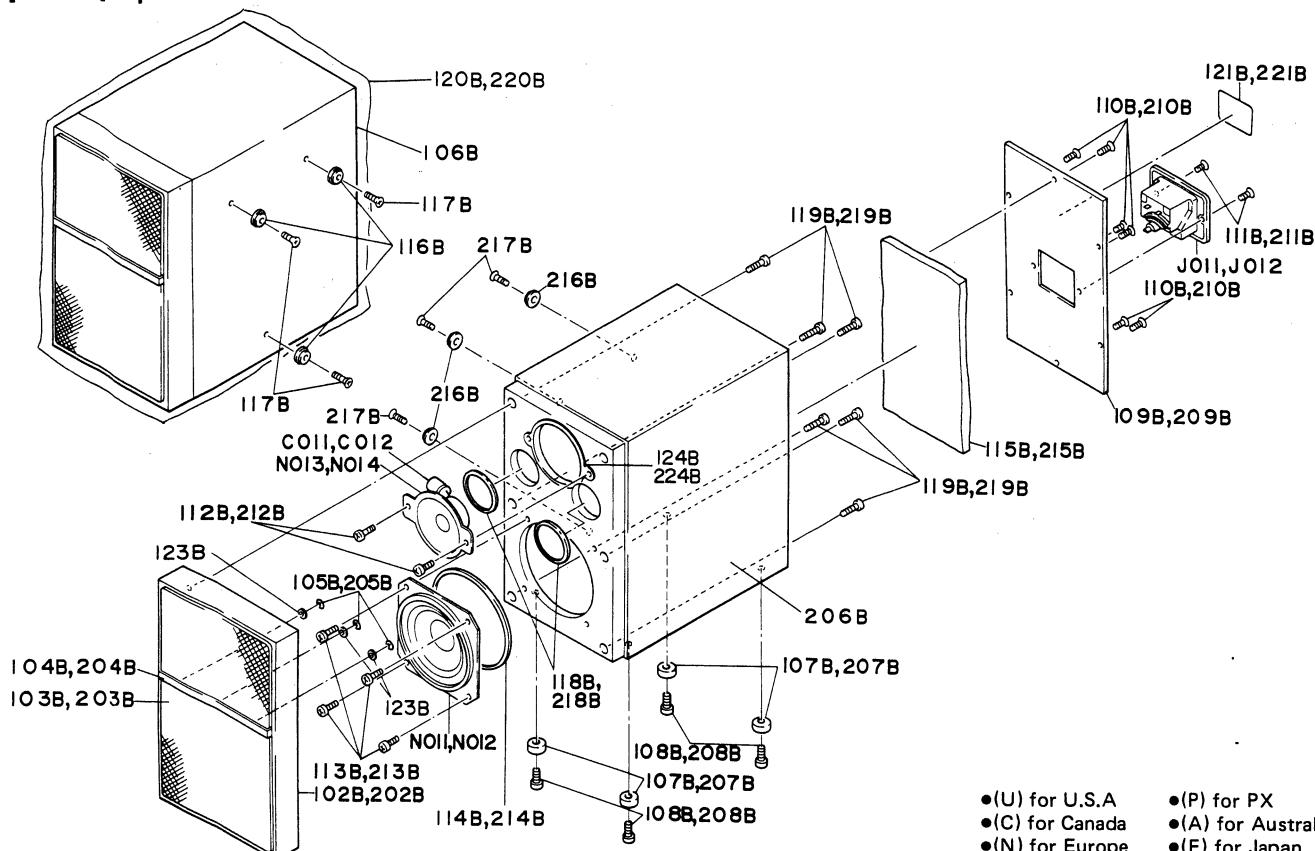
**marantz®**

- (U) for U.S.A      •(P) for PX
- (C) for Canada      •(A) for Australia
- (N) for Europe      •(F) for Japan
- (E) for Europe

REF. DESIG.	Q'TY					PART NO.	DESCRIPTION
	U/C	N	E/P	A	F		
001T	1	1	1	1	1	236T851210	Instructions
001T					1	236T851310	Instructions
001T					1	236T851110	Instructions
002T				1		9631000090	Guarantee Card
002T				1		9631000130	Guarantee Card
003T	1				1	2225813010	Envelope
003T					1	2976851040	Flysheet
004T				1		2976813020	Envelope
005T				1		9650000030	Service Station Card
011T	1					2818854040	Guarantee Card for Canada
012T	1					9650000550	Service Station Card
001U	1					223T801030	Packing Case
001U		1	1	1	1	223T801020	Packing Case
001U				1		223T801010	Packing Case
001U				1		237T801010	Packing Case (PH-32L Only)
001U				1		235T801010	Packing Case (PH-52L Only)
002U	1	1	1	1	1	236T807010	Reinforcing
003U	1	1	1	1	1	236T809010	Cushion
004U	1	1	1	1	1	236T809020	Cushion
005U	4					9526019010	Serial No. Card
005U	4					9526019060	Serial No. Card
005U							
011U	1	1	1	1	1	223T861020	Label
011U					1	223T861010	Label

REF. DESIG.	Q'TY					PART NO.	DESCRIPTION
	U/C	N	E/P	A	F		
001V	1	1	1	1	1	4136071010	Head Cleaner
002V	1	1	1	1	1	9011525010	Polyethylene Bag
001Z	2	2	2	2	2	236T104010	Retainer
002Z	2	2	2	2	2	51100310B9	B.H.M. Screw B3x10
004Z	1	1	1	1	1	236T053010	Cover
006Z	1	1	1	1	1	236T253010	Handle
ZA01	1					ZD00400060	Connective Cord
ZA01		1	1	1	1	ZD00400040	Connective Cord
ZA02	1					ZD00400060	Connective Cord
ZA02		1	1	1	1	ZD00400040	Connective Cord
ZA03	1					ZD00400060	Connective Cord
ZA03		1	1	1	1	ZD00400040	Connective Cord
ZA04	1					ZD00400050	Connective Cord
ZA04		1	1	1	1	ZD00400030	Connective Cord
ZA05	1					ZD00400050	Connective Cord
ZA05		1	1	1	1	ZD00400030	Connective Cord
ZA06	1					ZD00400050	Connective Cord
ZA06		1	1	1	1	ZD00400030	Connective Cord
ZA07	1	1	1	1	1	ZD02000190	Speaker Cord
ZA08	1	1	1	1	1	ZD02000190	Speaker Cord
ZY01	1					ZC02002050	Power Cord
ZY01		1	1			ZC01805010	Power Cord
ZY01					1	ZC02006020	Power Cord
ZY01					1	ZC02001050	Power Cord

## [C01-99] Speaker Box

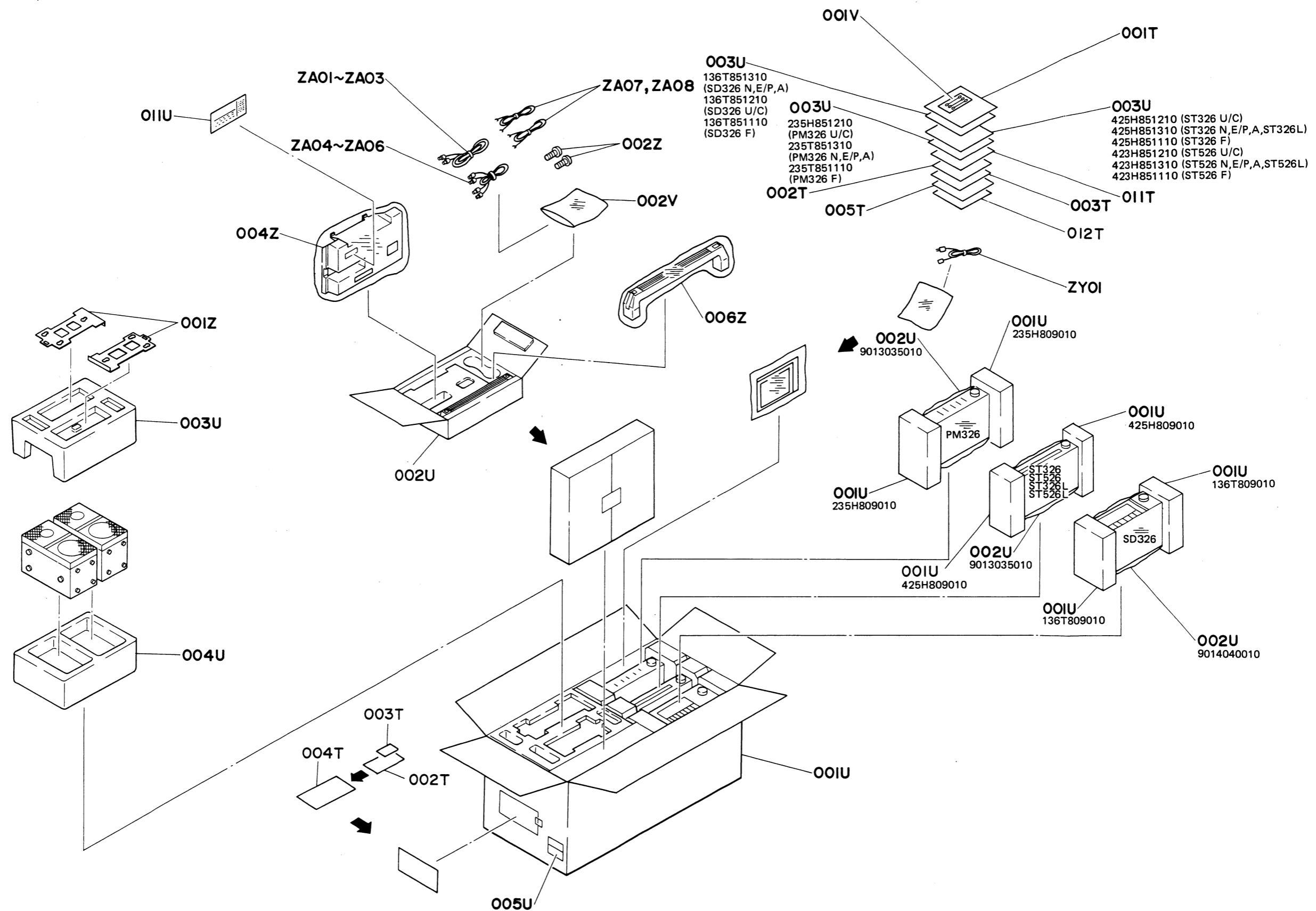


- (U) for U.S.A      ● (P) for PX
- (C) for Canada    ● (A) for Australia
- (N) for Europe    ● (F) for Japan
- (E) for Europe

REF. DESIG'	Q'TY					PART NO.	DESCRIPTION		
	E/P	N	U/C	A	F				
102B	1	1	1	1		146Z063110	Front Panel		
102B					1	146Z063010	Front Panel		
103B	1	1	1	1		146Z202110	Front Net		
103B					1	146Z202010	Front Net		
104B	1	1	1	1	1	146Z251010	Badge		
105B	3	3	3	3	3	64020200Q0	RG Ring		
106B	1	1	1	1		146Z064310	Wood Case		
106B					1	146Z064210	Wood Case		
107B	4	4	4	4	4	136T057010	Leg		
108B	4	4	4	4	4	51382612J0	P.H. Tapped Screw P2.6x12		
109B	1	1	1	1		146Z257300	Lid		
109B					1	146Z257200	Lid		
110B	6	6	6	6	6	51420320J0	O.C.H. Tapped Screw		
111B	2	2	2	2	2	51420320J0	O.C.H. Tapped Screw		
112B	2	2	2	2	2	51400315A0	B.H. Tapped Screw B3x15		
113B	4	4	4	4	4	51400415A0	B.H. Tapped Screw B4x15		
114B	1	1	1	1	1	146Z277010	Packing		
115B	1	1	1	1	1	146Z060010	Clinger		
116B	3	3	3	3	3	146Z055010	Collar		
117B	3	3	3	3	3	51340316J0	F.H. Tapped Screw F3x16		
118B	2	2	2	2	2	146Z277020	Packing		
119B	6	6	6	6	6	51280315B0	B.H. Tapped Screw B3x15		
120B	1	1	1	1	1	9013540010	Polyethylene Bag		
121B	1	1	1	1	1	146Z861010	Lavel		
123B	3	3	3	3	3	146Z118010	Spacer		
124B	1	1	1	1	1	146Z118020	Spacer		
C011	1	1	1	1	1	EQ15505010	Elect	1.5μF	50V
J011	1	1	1	1	1	YT03020060	Terminal		
N011	1	1	1	1	1	QK01001230	Speaker, Woofer		
N013	1	1	1	1	1	QK00501120	Speaker, Tweeter		

REF. DESIG.	Q'TY					PART NO.	DESCRIPTION		
	U/C	N	E <sub>P</sub>	A	F				
202B	1	1	1	1		146Z063110	Front Net		
202B					1	146Z063010	Front Net		
203B	1	1	1	1		146Z202110	Front Net		
203B					1	146Z202010	Front Net		
204B	1	1	1	1	1	146Z251010	Badge		
205B	3	3	3	3	3	64020200Q0	RG Ring		
206B	1	1	1	1		146Z064320	Wood Case		
206B					1	146Z064220	Wood Case		
207B	4	4	4	4	4	136T057010	Leg		
208B	4	4	4	4	4	51382612J0	P.H. Tapped Screw P2.6x12		
209B	1	1	1	1		146Z257300	Lid		
209B					1	146Z257200	Lid		
210B	6	6	6	6	6	51420320J0	O.C.H. Tapped Screw		
211B	2	2	2	2	2	51420320J0	O.C.H. Tapped Screw		
212B	2	2	2	2	2	51400315A0	B.H. Tapped Screw B3x15		
213B	4	4	4	4	4	51400415A0	B.H. Tapped Screw B4x15		
214B	1	1	1	1	1	146Z277010	Packing		
215B	1	1	1	1	1	146Z060010	Clinger		
216B	3	3	3	3	3	146Z055010	Collar		
217B	3	3	3	3	3	51340316J0	F.H. Tapped Screw F3x16		
218B	2	2	2	2	2	146Z277020	Packing		
219B	6	6	6	6	6	51280315B0	B.H. Tapped Screw B3x15		
220B	1	1	1	1	1	9013540010	Polyethylene Bag		
221B	1	1	1	1	1	146Z861010	Label		
223B	3	3	3	3	3	146Z118010	Spacer		
224B	1	1	1	1	1	146Z118020	Spacer		
C012	1	1	1	1	1	EQ15505010	Elect	1.5μF	50V
J012	1	1	1	1	1	YT03020060	Terminal		
N012	1	1	1	1	1	QK01001230	Speaker, Woofer		
N014	1	1	1	1	1	QK00501120	Speaker, Tweeter		

## [H01-99] Packing material

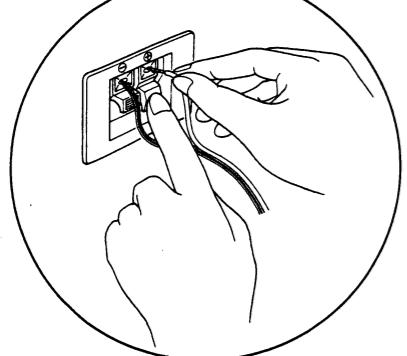
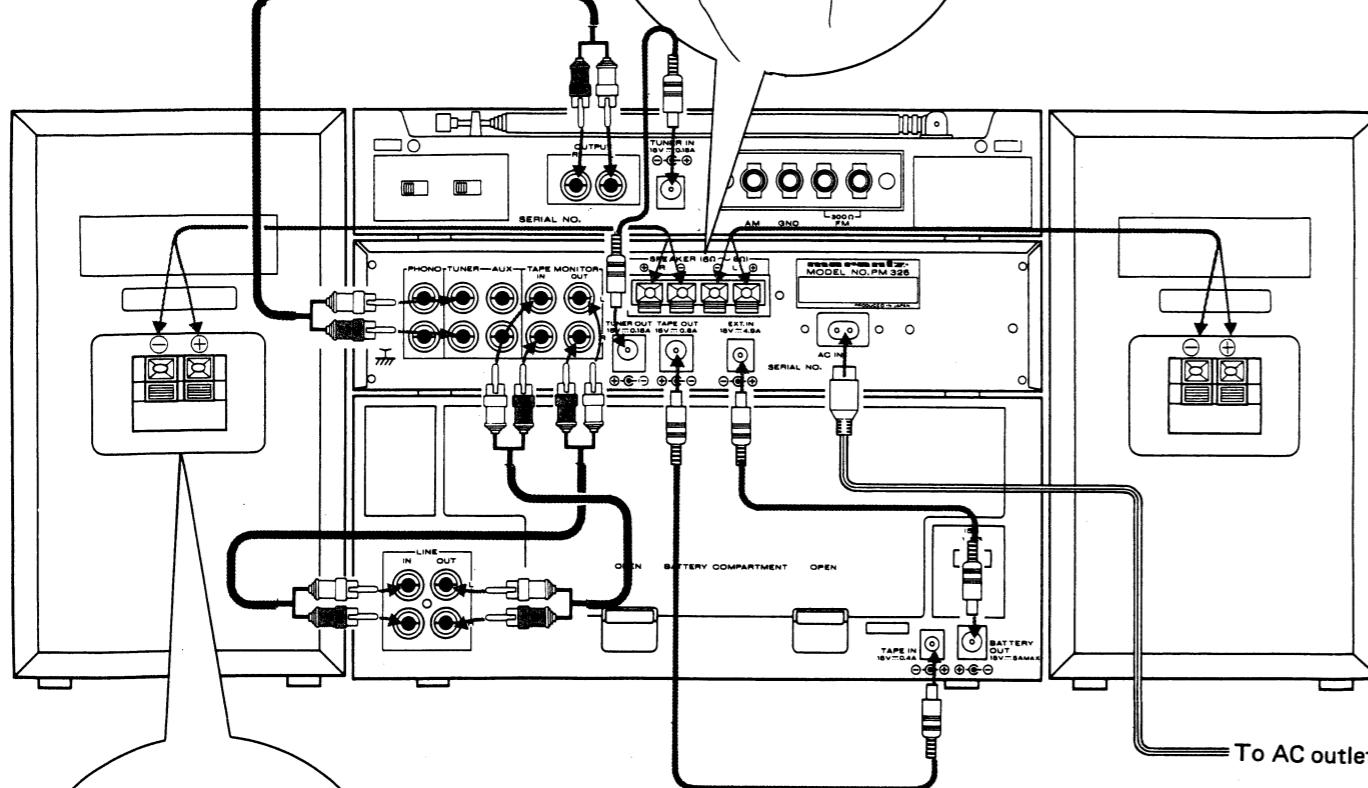
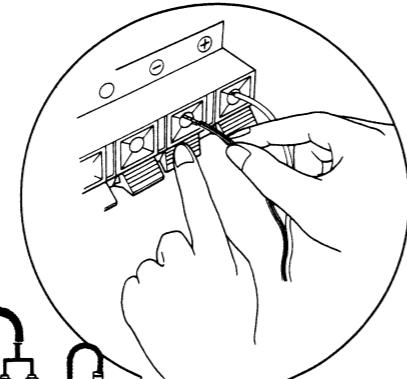


## ● Connection

Make sure that the power is off until all the connections are finished.

### ● Connecting the speaker cords

Connect the speaker cords correctly, (L) to (L) and (R) to (R),  $\oplus$  to  $\oplus$  and  $\ominus$  to  $\ominus$ . Wrong connection of  $\oplus$  and  $\ominus$  will give inferior stereo presence and poor sound quality.

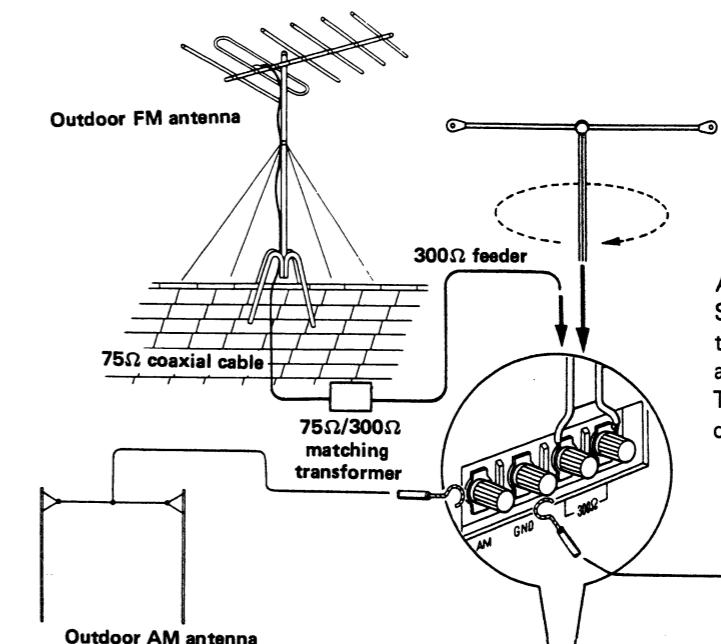


Be sure that the batteries are always removed from this unit when it is not used for a long time or it is operated using AC. Otherwise the unit may fail due to electrolyte leakage from the batteries.

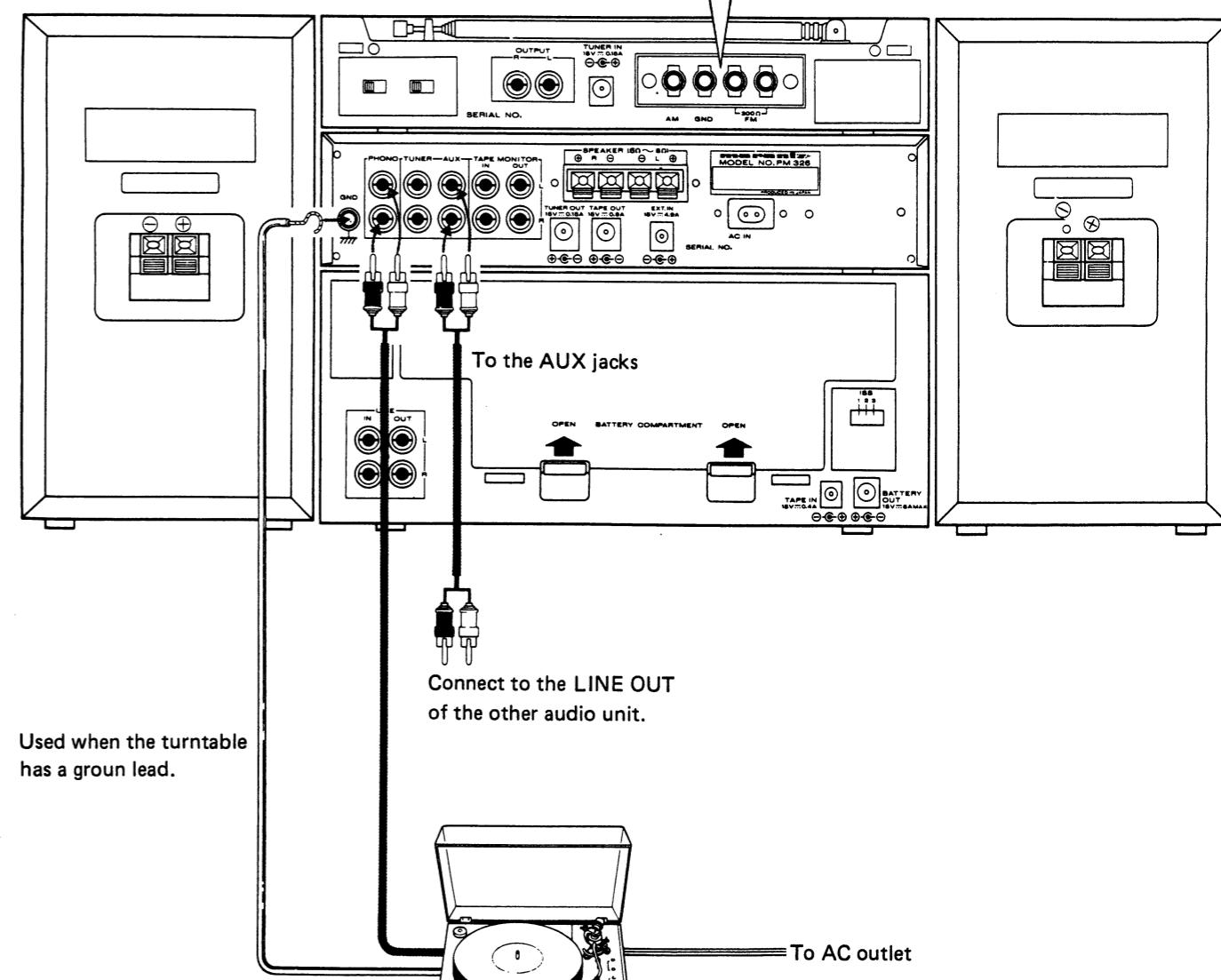
When the AC power cord is connected to this unit, the POWER SELECTOR is automatically set to the AC voltage.

#### NOTE:

The  $(-)$  speaker terminals of the amplifier are connected to two different circuits. Never short-circuit the  $(-)$  speaker terminals and never connect anything other than speakers. Doing so will result in serious damage to the amplifier.



A T-shaped FM indoor antenna is supplied. Spread the two arms that form the top of the "T" horizontally and hold them against a convenient wall. Try several locations for best reception of your favorite stations.



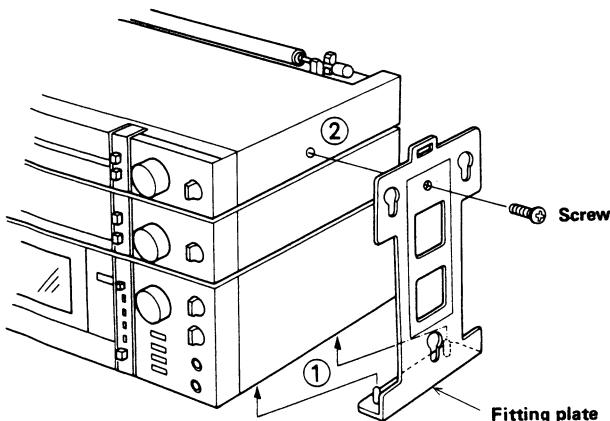
Used when the turntable has a ground lead.

Turntable (With MM cartridge)

# ASSEMBLING THE PORTABLE STEREO COMPONENTS

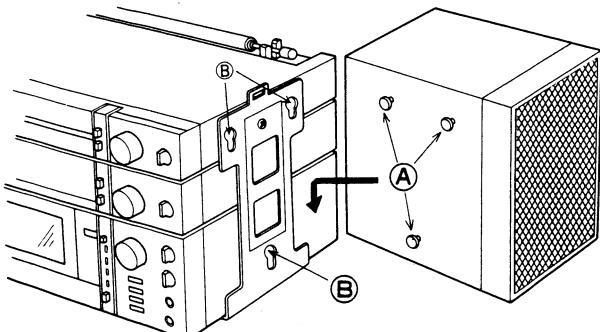
## ● Installing the fitting plate to the set unit

1. Lift up the unit slightly to insert the convex portions of the fitting plate into the holes in the bottom of the unit.
2. Fix the left and right screws.



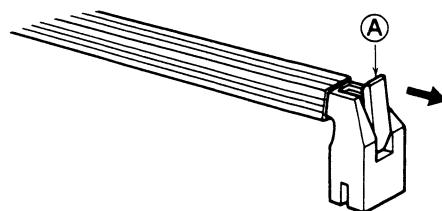
## ● Installing the speakers

1. Fit **A** of the speakers to **B** of the fitting plates then push the speakers down so there is no clearance.
2. Do the same on the opposite side.

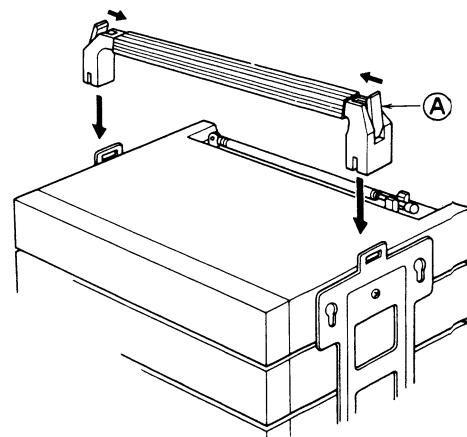


## ● Fixing the handles

1. Unfold **A** of the handle in the direction of the arrow.



2. Assembling the edges of the handles in the grooves in the fitting plates.
3. Fold **A** of the handle of fix it. Do the same on the opposite side.



## ● Assembling the rear cover

Insert the rear cover along the two grooves in the cassette deck then press it in the direction of the arrow along the two grooves in the tuner.

